Bruhat Bangalore Mahanagara Palike

Excecutive Engineer Yelahanka Zone Project Division

Name of Work: Modified Estimate for Development and Improvements of Road, Drain and covering Slabs Kogilu Lake and Surrounding area Defence Colony, Kogilu Village, Sri Rampura and Jakkur Village, Kattigenahalli and Agrahara layout in Ward No.05

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
1	Removing & Refixing stone slabs of drains and pointing in C.M (1:3) (Page No 27., I.No.5.33 of KPWD S.R 2018-19).								
	Desilt of Drain								
	Prakrutinagara								
	1st cross	1	7.70	1.65		12.71			
	2nd cross	1	2.00	1.65		3.30			
	3rd cross	1	1.40	1.65		2.31			
	5th cross	1	15.90	1.65		26.24			
	6th cross	1	141.80	1.65		233.97			
	6th cross North side Roads								
	6th A cross	1	4.50	1.65		7.43			
	6th B cross	1	20.20	1.65		33.33			
	Cross Road	1	18.70	1.65		30.86			
	6th C cross	1	19.80	1.65		32.67			
	6th D cross	1	21.40	1.65		35.31			
	6th E cross	1	21.20	1.65		34.98			
	6th cross South side Roads								
	6th E cross	1	12.10	1.65		19.97			
	6th D cross	1	38.70	1.65		63.86			
	6th C cross	1	6.30	1.65		10.40			
	2nd main	1	51.00	1.65		84.15			
	7th cross	1	125.10	1.65		206.42			
	8th cross	1	202.00	1.65		333.30			
	9th cross	1	140.90	1.65		232.49			
	10th cross	1	55.40	1.65		91.41			
	10th cross road	1	14.60	1.65		24.09			
	11th cross	1	3.90	1.65		6.44			
	Agrahara layout								
	Road A	1	12.50	1.65		20.63			
	Road B	1	36.30	1.65		59.90			
	Road C	1	34.60	1.65		57.09			
	Road D	1	125.40	1.65		206.91			
	Road E	1	107.70	1.65		177.71			
	Road F	1	99.20	1.65		163.68			
	Road H	1	27.60	1.65		45.54			
	Road I	1	65.00	1.65		107.25			
	Road J	1	44.10	1.65		72.77			
	7th cross	1	67.10	1.65		110.72			
	8th cross	1	95.70	1.65		157.91			
	9th cross	1	64.30	1.65		106.10			

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	ption of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	cross	1	122.20	1.65		201.63			
	alu circle								
	G Ramaiah layout								
	3rd cross	1	60.00	1.65		99.00			
	5th cross	1	50.00	1.65		82.50			
	Cross Road	1	11.20	1.65		18.48			
	Last Road	1	20.50	1.65		33.83			
	6th cross	1	2.30	1.65		3.80			
	Agrahara Layout								
	5th main	1	85.00	1.65		140.25			
						3391.25	**Sqm**	**116.85**	**396280.10**
	Quoted Rate	116.85							
2	Earthwork in execavation for foundation of structure like culverts, retaining wall etc., as per drawing and technical specification, including setting out, construction of shoring and bracing, dressing of sides and bottom, back filling with approved material, disposal of balance earth as per specification, including cost of labour, HOM etc., complete. In all kinds of soil by manual means. (P.No.256, I.No.34.15.1 of PW,P&IWTD S.R 2018-19)								
	RCC Drain								
	Vinayakanagara								
	Behind Balamuri Ganapathi Temple								
	Cross Road 1	2	58.00	1.10	1.00	127.60			
	Cross Road 2	2	32.50	1.10	1.00	71.50			
	Cross Road 3	1	55.00	1.10	1.00	60.50			
	Cross Road 4	1	110.00	1.10	1.00	121.00			
	Cross Road 5	2	48.00	1.10	1.00	105.60			
	Cross Road 6	1	72.50	1.10	1.00	79.75			
	2nd cross	1	30.00	1.10	1.10	36.30			
	8th main	1	109.00	1.10	1.10	131.89			
	3rd cross	1	28.00	1.10	1.10	33.88			
	7th main	1	22.60	1.10	1.10	27.35			
	Dwarakanagar last Road	1	102.10	1.10	1.10	123.54			
	Dwarakanagar Main Road	1	7.40	1.10	1.10	8.95			
	Babanagar								
	Apartment front	1	14.00	1.10	1.10	16.94			
	Apartment beside	1	29.80	1.20	1.10	39.34			
	Apartment behind	1	24.10	1.20	1.10	31.81			
	Layout Entrance	2	114.50	0.80	1.10	201.52			
	Vinayakanagara								
	8th main, From Main Road	2	269.60	1.20	1.00	647.04			
	2nd cross 7th main to 8th main	1	30.60	1.20	1.00	36.72			
	2nd cross 8th main to Dead end	2	15.00	1.20	1.00	36.00			
	1st cross 7th main to 8th main	2	31.00	1.20	1.00	74.40			

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	...tion of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	...8th main to Dead	2	21.60	1.20	1.00	51.84			
	...kkur Village, Circle to Railway track	1	220.20	1.30	1.20	343.51			
	Sriramapura								
	12th Main Rd								
	Srirampura	2	466.90	1.20	1.00	1120.56			
	Srirampura store								
	Sai Baba Temple Rd	2	118.80	1.20	1.00	285.12			
	Muneshwara Temple Rd	2	138.10	1.20	1.00	331.44			
	Tirumenahalli Main Rd	1	45.70	1.20	1.00	54.84			
	Desilt of Drain	2	403.60	1.20	1.00	968.64			
	Prakrutinagara								
	1st cross								
	2nd cross	2	71.60	0.60	0.60	51.55			
	3rd cross	2	42.00	0.60	0.60	30.24			
	5th cross	1	18.00	0.60	0.60	6.48			
	6th cross	1	112.30	0.60	0.60	40.43			
	6th cross North side Roads	2	312.50	0.60	0.60	225.00			
	6th A cross								
	6th B cross	2	24.80	0.60	0.60	17.86			
	Cross Road	2	56.30	0.60	0.60	40.54			
	6th C cross	2	30.50	0.60	0.60	21.96			
	6th D cross	2	33.50	0.60	0.60	24.12			
	6th E cross	2	22.00	0.60	0.60	15.84			
	6th cross South side Roads	2	18.80	0.60	0.60	13.54			
	6th E cross								
	6th D cross	2	51.80	0.60	0.60	37.30			
	6th C cross	2	58.00	0.60	0.60	41.76			
	2nd main	1	26.90	0.60	0.60	9.68			
	7th cross	2	87.80	0.60	0.60	63.22			
	8th cross	2	228.30	0.60	0.60	164.38			
	9th cross	2	300.70	0.60	0.60	216.50			
	10th cross	2	235.50	0.60	0.60	169.56			
	10th cross road	2	86.40	0.60	0.60	62.21			
	11th cross	2	13.90	0.60	0.60	10.01			
	Agrahara layout	1	8.80	0.60	0.60	3.17			
	Road A								
	Road B	2	56.00	0.60	0.60	40.32			
	Road C	2	86.30	0.60	0.60	62.14			
	Road D	2	109.60	0.60	0.50	65.76			
	Road E	2	146.00	0.60	0.50	87.60			
	Road F	2	174.10	0.60	0.50	104.46			
	Road H	2	203.00	0.60	0.50	121.80			
	Road I	2	50.70	0.60	0.50	30.42			
	Road J	2	108.00	0.60	0.50	64.80			
	7th cross	2	62.90	0.60	0.50	37.74			
		2	124.90	0.60	0.50	74.94			

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	ion of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	oss	2	116.00	0.60	0.60	83.52			
	th cross	2	140.00	0.60	0.60	100.80			
	Kogilu circle	2	186.10	0.60	0.60	133.99			
	G Ramaiah layout								
	3rd cross								
	5th cross	1	227.60	0.60	0.50	68.28			
	Cross Road	2	152.50	0.60	0.50	91.50			
	Last Road	2	29.30	0.60	0.50	17.58			
	6th cross	2	23.80	0.60	0.50	14.28			
	Agrahara Layout	1	63.70	0.60	0.50	19.11			
	5th main								
	Srirampura	2	183.20	0.50	0.40	73.28			
	SSM Drain Flagging Desilt								
	Culvert	1	115.40	0.50	0.40	23.08			
	Vinayakanagara								
	Agrahara layout	8	6.30	2.00	1.00	100.80			
	Jakkur Village	5	5.50	1.80	1.10	54.45			
	Vinayakanagara	3	8.70	1.80	1.20	56.38			
	Sriramapura	2	6.70	1.80	1.10	26.53			
	Srirampura	13	6.65	1.80	1.20	186.73			
	Srirampura store								
		4	4.80	1.40	1.00	26.88			
	Sai Baba Temple Rd	1	5.30	1.80	1.00	9.54			
	Tirumenahalli Main Rd	5	4.75	1.40	1.00	33.25			
		8	8.50	1.80	1.00	122.40			
						8365.27	**Cum**	**273.60**	**2288770.01**
	Quoted Rate	273.60							
3	Providing granite slabs of selected quality roughly dressed having a size of 7.5 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete. I.No.5.31.1, Page no 27								
	missing/damaged slabs					4652.00			
						4652.00	**Sqm**	**779.03**	**3624028.02**
	Quoted Rate	779.03							
4	KSRRB M2100-10. Providing and laying **Plain cement concrete of mix 1:3:6** with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18)								
	RCC Drain								
	Vinayakanagara								
	Behind Balamuri Ganapathi Temple								
	Cross Road 1	2	58.00	1.10	0.15	19.14			
	Cross Road 2	2	32.50	1.10	0.15	10.73			
	Cross Road 3	1	55.00	1.10	0.15	9.08			

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	...ion of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	...ad 4								
	...Road 5	1	110.00	1.10	0.15	18.15			
	...ss Road 6	2	48.00	1.10	0.15	15.84			
	2nd cross	1	72.50	1.10	0.15	11.96			
	8th main	1	30.00	1.10	0.15	4.95			
	3rd cross	1	109.00	1.10	0.15	17.99			
	7th main	1	28.00	1.10	0.15	4.62			
	Dwarakanagar last Road	1	22.60	1.10	0.15	3.73			
	Dwarakanagar Main Road	1	102.10	1.10	0.15	16.85			
	Babanagar	1	7.40	1.10	0.15	1.22			
	Apartment front								
	Apartment beside	1	14.00	1.10	0.15	2.31			
	Apartment behind	1	29.80	1.20	0.15	5.36			
	Layout Entrance	1	24.10	1.10	0.15	3.98			
	Vinayakanagara	2	114.50	0.80	0.15	27.48			
	8th main, From Main Road								
	2nd cross 7th main to 8th main	2	269.60	1.20	0.15	97.06			
	2nd cross 8th main to Dead end	1	30.60	1.20	0.15	5.51			
	1st cross 7th main to 8th main	2	15.00	1.20	0.15	5.40			
	1st cross 8th main to Dead end	2	31.00	1.15	0.15	10.70			
	Jakkur Village, Circle to Railway track	2	21.60	1.10	0.15	7.13			
	Sriramapura	1	220.20	1.30	0.15	42.94			
	12th Main Rd								
	Srirampura	2	466.90	1.20	0.15	168.08			
	Srirampura store								
	Sai Baba Temple Rd	2	118.80	1.20	0.15	42.77			
	Muneshwara Temple Rd	2	138.10	1.20	0.15	49.72			
	Tirumenahalli Main Rd	1	45.70	1.10	0.15	7.54			
	Culvert	2	403.60	1.20	0.15	145.30			
	Vinayakanagara								
	Agrahara layout	8	6.30	1.50	0.15	11.34			
	Jakkur Village	5	5.50	1.50	0.15	6.19			
	Vinayakanagara	3	8.70	1.50	0.15	5.87			
	Sriramapura	2	6.70	1.50	0.15	3.02			
	Srirampura	13	6.65	1.50	0.15	19.45			
	Srirampura store								
		4	4.80	1.40	0.15	4.03			
	Sai Baba Temple Rd	1	5.30	1.50	0.15	1.19			
	Tirumenahalli Main Rd	5	4.75	1.40	0.15	4.99			
	CC Road	8	8.50	1.50	0.15	15.30			
	Srirampura								
	srirampura store								
		1	76.60	4.90	0.15	56.30			

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	...tion of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	...d-1	1	84.70	3.40	0.15	43.20			
	... Rd-2	1	82.30	4.00	0.15	49.38			
	...f Baba Temple Rd	1	95.90	5.60	0.15	80.56			
	Jakkur								
	Cross Rd-1	1	42.30	3.40	0.15	21.57			
	Cross Rd-2	1	37.60	3.40	0.15	19.18			
	Cross rd-3(near Byaptist Hospital)	1	36.70	2.40	0.15	13.21			
	Cross Rd-4	1	21.00	2.20	0.15	6.93			
	Cross Rd-5	1	19.60	2.20	0.15	6.47			
	KJSS Rd(near Jakkur Circle)	1	199.80	9.00	0.15	269.73			
	Cross rd-1	1	50.30	4.20	0.15	31.69			
	Cross rd-2	1	44.50	4.40	0.15	29.37			
	Cross rd-3	1	139.20	6.70	0.15	139.90			
						1594.36	**Cum**	**5692.45**	**9075826.18**
	Quoted Rate	5692.45							
5	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar, stone hammered dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13, cement mortar 1:6 KBS 5.1.13 (P.No-25,I No-5.6)								
	Culvert, SSM								
	Vinayakanagara	16	6.39	0.45	0.80	36.81			
	From Shani Mahathma Temple	2	115.40	0.45	0.25	25.97			
						62.77	**Cum**	**5114.86**	**321066.97**
	Quoted Rate	5114.86							
6	KSRB 4.9.2 : Providing **T.M.T steel reinforcement** for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications. Specificatio (I No-28.8.2,P No-229)								
	Steel for drain and culvert					114.90			
						114.90	**Tn**	**75936.10**	**8725057.47**
	Quoted Rate	75936.10							
7	Providing and laying **plain/reinforced cement concrete** for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specificationsdo- Wall & bottom thickness 15cm (I No-37.59.2,P No-271,KPWD SR 2018-19)								
	CC Drain Raft								
	Vinayakanagara								
	Behind Balamuri Ganapathi Temple								

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	...ion of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	...ad 1	2	58.00	0.90	0.15	15.66			
	... Road 2	2	32.50	0.90	0.15	8.78			
	...oss Road 3	1	55.00	0.90	0.15	7.43			
	Cross Road 4	1	110.00	0.90	0.15	14.85			
	Cross Road 5	2	48.00	0.90	0.15	12.96			
	Cross Road 6	1	72.50	0.90	0.15	9.79			
	2nd cross	1	30.00	0.90	0.15	4.05			
	8th main	1	109.00	0.90	0.15	14.72			
	3rd cross	1	28.00	0.90	0.15	3.78			
	7th main	1	22.60	0.90	0.15	3.05			
	Dwarakanagar last Road	1	102.10	0.90	0.15	13.78			
	Dwarakanagar Main Road	1	7.40	0.90	0.15	1.00			
	Babanagar								
	Apartment front	1	14.00	0.90	0.15	1.89			
	Apartment beside	1	29.80	1.20	0.15	5.36			
	Apartment behind	1	24.10	1.20	0.15	4.34			
	Layout Entrance	2	114.50	0.60	0.10	13.74			
	Vinayakanagara								
	8th main, From Main Road	2	269.60	0.90	0.15	72.79			
	2nd cross 7th main to 8th main	1	30.60	0.90	0.15	4.13			
	2nd cross 8th main to Dead end	2	15.00	0.90	0.15	4.05			
	1st cross 7th main to 8th main	2	31.00	0.90	0.15	8.37			
	1st cross 8th main to Dead end	2	21.60	0.90	0.15	5.83			
	Jakkur Village, Circle to Railway track	1	220.20	1.20	0.20	52.85			
	Sriramapura								
	12th Main Rd	2	466.90	0.90	0.15	126.06			
	Srirampura								
	Srirampura store	2	118.80	0.90	0.15	32.08			
	Sai Baba Temple Rd	2	138.10	0.90	0.15	37.29			
	Muneshwara Temple Rd	1	45.70	0.90	0.15	6.17			
	Tirumenahalli Main Rd	2	403.60	0.90	0.15	108.97			
	CC Drain Wall								
	Vinayakanagara								
	Behind Balamuri Ganapathi Temple								
	Cross Road 1	4	58.00	0.15	0.60	20.88			
	Cross Road 2	4	32.50	0.15	0.60	11.70			
	Cross Road 3	2	55.00	0.15	0.60	9.90			
	Cross Road 4	2	110.00	0.15	0.60	19.80			
	Cross Road 5	4	48.00	0.15	0.60	17.28			
	Cross Road 6	2	72.50	0.15	0.60	13.05			
	2nd cross	2	30.00	0.15	0.60	5.40			

...ng a minimum ave...
...structed with CM 1:4 , as per IS 2572:2005
mm having block density not lessthan 1800 kg/m3 and having a ...
...uring complete as per specifications.

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...ion of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
...n								
...ross	2	109.00	0.15	0.60	19.62			
...n main	2	28.00	0.15	0.60	5.04			
Dwarakanagar last Road	2	22.60	0.15	0.60	4.07			
Dwarakanagar Main Road	2	102.10	0.15	0.60	18.38			
Babanagar		7.40	0.15	0.60	1.33			
Apartment front	2							
Apartment beside	2	14.00	0.15	0.60	2.52			
Apartment behind	2	29.80	0.15	0.60	5.36			
Layout Entrance	4	24.10	0.15	0.60	4.34			
Vinayakanagara		114.50	0.10	0.60	27.48			
8th main, From Main Road	4	269.60	0.15	0.60	97.06			
2nd cross 7th main to 8th main	2	30.60	0.15	0.60	5.51			
2nd cross 8th main to Dead end	4	15.00	0.15	0.60	5.40			
1st cross 7th main to 8th main	4	31.00	0.15	0.60	11.16			
1st cross 8th main to Dead end	4	21.60	0.15	0.60	7.78			
Jakkur Village, Circle to Railway track	2	220.20	0.20	0.90	79.27			
Sriramapura								
12th Main Rd	4	466.90	0.15	0.60	168.08			
Srirampura								
Srirampura store	4	118.80	0.15	0.60	42.77			
Sai Baba Temple Rd	4	138.10	0.15	0.60	49.72			
Muneshwara Temple Rd	2	45.70	0.15	0.60	8.23			
Tirumenahalli Main Rd	4	403.60	0.15	0.60	145.30			
Culvert Raft								
Agrahara layout	5	5.50	1.50	0.23	9.49			
Jakkur Village	3	8.70	1.60	0.25	10.44			
Vinayakanagara	2	6.70	1.50	0.23	4.62			
Sriramapura	13	6.65	1.50	0.23	29.83			
Srirampura								
Srirampura store	4	4.80	1.20	0.23	5.30			
	1	5.30	1.20	0.23	1.46			
Sai Baba Temple Rd	5	4.75	1.20	0.23	6.56			
Tirumenahalli Main Rd	8	8.50	1.50	0.23	23.46			
Culvert Wall								
Agrahara layout	10	5.50	0.25	0.70	9.63			
Jakkur Village	9	8.70	0.25	1.20	23.49			
Vinayakanagara	4	6.70	0.25	0.70	4.69			
Sriramapura	26	6.65	0.25	0.60	25.94			
Srirampura								
Srirampura store	8	4.80	0.25	0.65	6.24			
	2	5.30	0.25	0.60	1.59			

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	ption of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	a Temple Rd	10	4.75	0.25	0.60	7.13			
	menahalli Main Rd	16	8.50	0.25	0.60	20.40			
	Quoted Rate	7423.00				**1590.42**	**Cum**	**7423.00**	**11805679.41**
8	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No-13,I No-4.6)								
	For Kerb stone								
	Vinayakanagara								
	2nd cross								
	8th main	1	30.00	0.20	0.10	0.60			
	3rd cross	1	109.00	0.20	0.10	2.18			
	7th main	1	28.00	0.20	0.10	0.56			
	Dwarakanagar last Road	1	22.60	0.20	0.10	0.45			
	Dwarakanagar Main Road	1	102.10	0.20	0.10	2.04			
	Babanagar	1	7.40	0.20	0.10	0.15			
	Apartment front								
	Apartment beside	1	14.00	0.20	0.10	0.28			
	Apartment behind	1	29.80	0.20	0.10	0.60			
	Layout Entrance	1	24.10	0.20	0.10	0.48			
	Prakrutinagara	2	114.50	0.20	0.10	4.58			
	1st cross								
	2nd cross	4	71.60	0.20	0.10	5.73			
	3rd cross	4	42.00	0.20	0.10	3.36			
	5th cross	2	18.00	0.20	0.10	0.72			
	6th cross	2	112.30	0.20	0.10	4.49			
	6th cross North side Roads	4	312.50	0.20	0.10	25.00			
	6th A cross								
	6th B cross	4	24.80	0.20	0.10	1.98			
	Cross Road	4	56.30	0.20	0.10	4.50			
	6th C cross	4	30.50	0.20	0.10	2.44			
	6th D cross	4	33.50	0.20	0.10	2.68			
	6th E cross	4	22.00	0.20	0.10	1.76			
	6th cross South side Roads	4	18.80	0.20	0.10	1.50			
	6th E cross								
	6th D cross	4	51.80	0.20	0.10	4.14			
	6th C cross	4	58.00	0.20	0.10	4.64			
	2nd main	2	26.90	0.20	0.10	1.08			
	7th cross	4	87.80	0.20	0.10	7.02			
	8th cross	4	228.30	0.20	0.10	18.26			
	9th cross	4	300.70	0.20	0.10	24.06			
	10th cross	4	235.50	0.20	0.10	18.84			
	10th cross road	4	86.40	0.20	0.10	6.91			
	11th cross	4	13.90	0.20	0.10	1.11			
	Agrahara layout	2	8.80	0.20	0.10	0.35			

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	...tion of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
		4	56.00	0.25	0.10	5.60			
	...B	4	86.30	0.25	0.10	8.63			
	...oad C	4	109.60	0.25	0.10	10.96			
	Road D	4	146.00	0.25	0.10	14.60			
	Road E	4	174.10	0.25	0.10	17.41			
	Road F	4	203.70	0.25	0.10	20.37			
	Road H	4	50.70	0.25	0.10	5.07			
	Road I	4	108.10	0.25	0.10	10.81			
	Road J	4	62.90	0.25	0.10	6.29			
	For Flagging Course P.C.C								
	Prakrutinagara								
	1st cross	4	71.60	0.25	0.15	10.74			
	2nd cross	4	42.00	0.25	0.15	6.30			
	3rd cross	2	18.00	0.25	0.15	1.35			
	5th cross	2	112.30	0.25	0.15	8.42			
	6th cross	4	312.50	0.25	0.15	46.88			
	6th cross North side Roads								
	6th A cross	4	24.80	0.25	0.15	3.72			
	6th B cross	4	56.30	0.25	0.15	8.45			
	Cross Road	4	30.50	0.25	0.15	4.58			
	6th C cross	4	33.50	0.25	0.15	5.03			
	6th D cross	4	22.00	0.25	0.15	3.30			
	6th E cross	4	18.80	0.25	0.15	2.82			
	6th cross South side Roads								
	6th E cross	4	51.80	0.25	0.15	7.77			
	6th D cross	4	58.00	0.25	0.15	8.70			
	6th C cross	2	26.90	0.25	0.15	2.02			
	2nd main	4	87.80	0.25	0.15	13.17			
	7th cross	4	228.30	0.25	0.15	34.25			
	8th cross	4	300.70	0.25	0.15	45.11			
	9th cross	4	235.50	0.25	0.15	35.33			
	10th cross	4	86.40	0.25	0.15	12.96			
	10th cross road	4	13.90	0.25	0.15	2.09			
	11th cross	2	8.80	0.25	0.15	0.66			
	Agrahara layout								
	Road A	4	56.00	0.25	0.15	8.40			
	Road B	4	86.30	0.25	0.15	12.95			
	Road C	4	109.60	0.25	0.15	16.44			
	Road D	4	146.00	0.25	0.15	21.90			
	Road E	4	174.10	0.25	0.15	26.12			
	Road F	4	203.70	0.25	0.15	30.56			
	Road H	4	50.70	0.25	0.15	7.61			
	Road I	4	108.10	0.25	0.15	16.22			
	Road J	4	62.90	0.25	0.15	9.44			
	7th cross	4	124.90	0.25	0.15	18.74			
	8th cross	4	116.40	0.25	0.15	17.46			
	9th cross	4	140.40	0.25	0.15	21.06			

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	ption of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	oss	4	186.10	0.25	0.15	27.92			
	u circle								
	Ramaiah layout								
	3rd cross	2	227.60	0.25	0.15	17.07			
	5th cross	4	152.50	0.25	0.15	22.88			
	Cross Road	4	29.30	0.25	0.15	4.40			
	Last Road	4	23.80	0.25	0.15	3.57			
	6th cross	2	63.70	0.25	0.15	4.78			
	Agrahara Layout								
	5th main	2	183.20	0.25	0.15	13.74			
	Srirampura								
	SSM Drain Flagging Desilt	2	115.40	0.25	0.15	8.66			
	For Flagging Course Coping								
	Prakrutinagara								
	1st cross	4	71.60	0.15	0.10	4.30			
	2nd cross	4	42.00	0.15	0.10	2.52			
	3rd cross	2	18.00	0.15	0.10	0.54			
	5th cross	2	112.30	0.15	0.10	3.37			
	6th cross	4	312.50	0.15	0.10	18.75			
	6th cross North side Roads								
	6th A cross	4	24.80	0.15	0.10	1.49			
	6th B cross	4	56.30	0.15	0.10	3.38			
	Cross Road	4	30.50	0.15	0.10	1.83			
	6th C cross	4	33.50	0.15	0.10	2.01			
	6th D cross	4	22.00	0.15	0.10	1.32			
	6th E cross	4	18.80	0.15	0.10	1.13			
	6th cross South side Roads								
	6th E cross	4	51.80	0.15	0.10	3.11			
	6th D cross	4	58.00	0.15	0.10	3.48			
	6th C cross	2	26.90	0.15	0.10	0.81			
	2nd main	4	87.80	0.15	0.10	5.27			
	7th cross	4	228.30	0.15	0.10	13.70			
	8th cross	4	300.70	0.15	0.10	18.04			
	9th cross	4	235.50	0.15	0.10	14.13			
	10th cross	4	86.40	0.15	0.10	5.18			
	10th cross road	4	13.90	0.15	0.10	0.83			
	11th cross	2	8.80	0.15	0.10	0.26			
	Agrahara layout								
	Road A	4	56.00	0.15	0.10	3.36			
	Road B	4	82.00	0.15	0.10	4.92			
	Road C	4	105.00	0.15	0.10	6.30			
	Road I	4	105.00	0.15	0.10	6.30			
	Kogilu circle								
	G Ramaiah layout								
	3rd cross	2	220.00	0.15	0.10	6.60			

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	ption of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	ss	4	140.00	0.15	0.10	8.40			
	s Road	4	29.00	0.15	0.10	1.74			
	ast Road	4	23.00	0.15	0.10	1.38			
	6th cross	2	63.00	0.15	0.10	1.89			
						972.06	**Cum**	**6034.11**	**5865509.15**
	Quoted Rate	6034.11							
9	KSRB 5-14 : Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 I.No.5.26.1, Page no 27								
						0.00	**Sqm**	**1070.60**	**0.00**
	Quoted Rate	1070.60							
10	KSRB 5-14 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 I.No.5.26.2, Page no 27								
	Flagging Course								
	Prakrutinagara								
	1st cross	4	71.60		0.20	57.28			
	2nd cross	4	42.00		0.20	33.60			
	3rd cross	2	18.00		0.20	7.20			
	5th cross	2	112.30		0.20	44.92			
	6th cross	4	312.50		0.40	500.00			
	6th cross North side Roads								
	6th A cross	4	24.80		0.20	19.84			
	6th B cross	4	56.30		0.20	45.04			
	Cross Road	4	30.50		0.20	24.40			
	6th C cross	4	33.50		0.20	26.80			
	6th D cross	4	22.00		0.20	17.60			
	6th E cross	4	18.80		0.20	15.04			
	6th cross South side Roads								
	6th E cross	4	51.80		0.20	41.44			
	6th D cross	4	58.00		0.20	46.40			
	6th C cross	2	26.90		0.20	10.76			
	2nd main	4	87.80		0.20	70.24			
	7th cross	4	228.30		0.20	182.64			
	8th cross	4	300.70		0.20	240.56			
	9th cross	4	235.50		0.20	188.40			
	10th cross	4	86.40		0.40	138.24			
	10th cross road	4	13.90		0.20	11.12			
	11th cross	2	8.80		0.20	3.52			
	Agrahara layout								
	Road A	4	56.00		0.20	44.80			
	Road B	4	86.30		0.20	69.04			

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	ption of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
		4	109.60		0.20	87.68			
	d D	4	146.00		0.20	116.80			
	oad E	4	174.10		0.20	139.28			
	Road F	4	203.70		0.20	162.96			
	Road H	4	50.70		0.20	40.56			
	Road I	4	108.10		0.20	86.48			
	Road J	4	62.90		0.20	50.32			
	7th cross	4	124.90		0.20	99.92			
	8th cross	4	116.40		0.20	93.12			
	9th cross	4	140.40		0.20	112.32			
	10th cross	4	186.10		0.20	148.88			
	Kogilu circle								
	G Ramaiah layout								
	3rd cross	2	232.00		0.20	92.80			
	5th cross	4	155.00		0.20	124.00			
	Cross Road	4	29.30		0.20	23.44			
	Last Road	4	23.80		0.20	19.04			
	6th cross	2	63.70		0.20	25.48			
	Agrahara Layout								
	5th main	4	183.20		0.20	146.56			
	Srirampura								
	SSM Drain Flagging Desilt	2	115.40		0.20	46.16			3552496.00
						3454.68	**Sqm**	**1028.31**	
	Quoted Rate	1028.31							
11	Providing and fixing RCC Precast cover slab of 100mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)								
	For Drain								
	Vinayakanagara								
	Behind Balamuri Ganapathi Temple								
	Cross Road 1	2	58.00	0.90		104.40			
	Cross Road 2	2	32.50	0.90		58.50			
	Cross Road 3	1	55.00	0.90		49.50			
	Cross Road 4	1	110.00	0.90		99.00			
	Cross Road 5	2	48.00	0.90		86.40			
	Cross Road 6	1	72.50	0.90		65.25			
	2nd cross	1	30.00	0.90		27.00			
	8th main	1	109.00	0.90		98.10			
	3rd cross	1	28.00	0.90		25.20			
	7th main	1	22.60	0.90		20.34			
	Dwarakanagar last Road	1	102.10	0.90		91.89			
	Dwarakanagar Main Road	1	7.40	0.90		6.66			
	Babanagar								
	Apartment front	1	14.00	0.90		12.60			
	Apartment beside	1	29.80	1.20		35.76			

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	ption of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	nent behind	1	24.10	1.20		28.92			
	out Entrance	2	114.50	0.60		137.40			
	Vinayakanagara								
	8th main, From Main Road	2	269.60	0.90		485.28			
	2nd cross 7th main to 8th main	1	30.60	0.90		27.54			
	2nd cross 8th main to Dead end	2	15.00	0.90		27.00			
	1st cross 7th main to 8th main	2	31.00	0.90		55.80			
	1st cross 8th main to Dead end	2	21.60	0.90		38.88			
	Jakkur Village, Circle to Railway track	1	220.20	1.20		264.24			
	Sriramapura								
	12th Main Rd	2	466.90	0.90		840.42			
	Srirampura								
	Srirampura store	2	118.80	0.90		213.84			
	Sai Baba Temple Rd	2	138.10	0.90		248.58			
	Muneshwara Temple Rd	1	45.70	0.90		41.13			
	Tirumenahalli Main Rd	2	403.60	0.90		726.48			
	Prakrutinagara								
	1st cross	2	71.60	0.90		128.88			
	2nd cross	2	42.00	0.90		75.60			
	3rd cross	1	18.00	0.90		16.20			
	5th cross	1	112.30	0.90		101.07			
	6th cross	2	312.50	0.90		562.50			
	6th cross North side Roads								
	6th A cross	2	24.80	0.90		44.64			
	6th B cross	2	56.30	0.90		101.34			
	Cross Road	2	30.50	0.90		54.90			
	6th C cross	2	33.50	0.90		60.30			
	6th D cross	2	22.00	0.90		39.60			
	6th E cross	2	18.80						
	6th cross South side Roads								
	6th E cross	2	51.80	0.90		93.24			
	6th D cross	2	58.00	0.90		104.40			
	6th C cross	1	26.90	0.90		24.21			
	2nd main	2	87.80	0.90		158.04			
	7th cross	2	228.30	0.90		410.94			
	8th cross	2	300.70	0.90		541.26			
	9th cross	2	235.50	0.90		423.90			
	10th cross	2	86.40	0.90		155.52			
	10th cross road	2	13.90	0.90		25.02			
	11th cross	1	8.80	0.90		7.92			
	Agrahara layout								
	Road A	2	56.00	0.90		100.80			

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	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Road C	2	86.30	0.90		155.34			
	Road D	2	109.60	0.90		197.28			
	Road E	2	146.00	0.90		262.80			
	Road F	2	174.10	0.90		313.38			
	Road H	2	203.70	0.90		366.66			
	Road I	2	50.70	0.90		91.26			
	Road J	2	108.10	0.90		194.58			
	7th cross	2	62.90	0.90		113.22			
	8th cross	2	100.00	0.90		180.00			
	9th cross	2	116.40	0.90		209.52			
	10th cross	2	140.40	0.90		252.72			
	Kogilu circle	2	185.10	0.90		333.18			
	G Ramaiah layout								
	3rd cross	1	200.10	0.90		180.09			
	5th cross	2	152.50	0.90		274.50			
						10270.92	**Sqm**	**2453.62**	**25200896.73**
	Quoted Rate	2453.62							
12	Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge. (Data Rate)								
	Culvert SSM								
	Vinayakanagara	8	6.39	1.50		76.68			
	RCC Culvert								
	Agrahara layout	5	5.50	1.50		41.25			
	Jakkur Village	3	8.70	1.50		39.15			
	Vinayakanagara	2	6.75	1.50		20.25			
	Sriramapura	13	6.30	1.50		122.85			
	Srirampura								
	Srirampura store	4	4.80	1.50		28.80			
	Sai Baba Temple Rd	5	4.75	1.20		28.50			
	Tirumenahalli Main Rd	6	8.50	1.50		76.50			
						433.98	**Sqm**	**5688.36**	**2468633.69**
	Quoted Rate	5688.36							
13	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete. As per the direction of Engineer incharge. Item No 5.30, Page No.27								
	Vinayakanagara								
	2nd cross	1	30.00			30.00			
	8th main	1	91.40			91.40			
	3rd cross	1	28.00			28.00			
	7th main	1	22.60			22.60			
	Dwarakanagar last Road	1	102.10			102.10			
	Dwarakanagar Main Road	1	7.40			7.40			

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	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Babanagar								
	Layout Entrance	2	114.50			229.00			
	Vinayakanagara								
	1st cross	2	71.60			143.20			
	2nd cross	2	41.90			83.80			
	3rd cross	1	18.00			18.00			
	5th cross	1	112.30			112.30			
	6th cross	2	312.50			625.00			
	6th cross North side Roads								
	6th A cross	2	24.80			49.60			
	6th B cross	2	56.30			112.60			
	Cross Road	2	30.50			61.00			
	6th C cross	2	33.50			67.00			
	6th D cross	2	22.00			44.00			
	6th E cross	2	18.80			37.60			
	6th cross South side Roads								
	6th E cross	1	51.80			51.80			
	6th D cross	1	58.00			58.00			
	6th C cross	1	30.00			30.00			
	2nd main	1	90.00			90.00			
	7th cross	2	219.00			438.00			
	8th cross	2	300.50			601.00			
						3133.40			
						6963.00	**Nos**	**454.06**	**3161625.02**
	Quoted Rate	454.06							
14	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 (Page No.180. litem no.24.1 of KPWD S.R Bangalore Circle 2018-2019)								
	Flagging Course								
	Vinayakanagara								
	2nd cross	1	30.00		0.35	10.50			
	8th main	1	91.40		0.35	31.99			
	3rd cross	1	28.00		0.35	9.80			
	7th main	1	22.60		0.35	7.91			
	Dwarakanagar last Road	1	102.10		0.35	35.74			
	Dwarakanagar Main Road	1	7.40		0.35	2.59			
	Babanagar								
	Layout Entrance	2	114.50		0.35	80.15			
						178.68	**Sqm**	**89.03**	**15,907.71**
	Quoted Rate	89.03							
15	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials upto a lead of 1000 metrers, stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202.(I No-18.47,P No-140)								
	CC Road								

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	ption of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	pura								
	ampura store	1	76.60	4.90	0.20	75.07			
	Cross Rd-1	1	84.70	3.40	0.20	57.60			
	Cross Rd-2	1	82.30	4.00	0.20	65.84			
	Sai Baba Temple Rd	1	95.90	5.60	0.20	107.41			
	Jakkur								
	Cross Rd-1	1	42.30	3.40	0.20	28.76			
	Cross Rd-2	1	37.60	3.40	0.20	25.57			
	Cross rd-3(near Byaptist Hospital)	1	36.70	2.40	0.20	17.62			
	Cross Rd-4	1	21.00	2.20	0.20	9.24			
	Cross Rd-5	1	19.60	2.20	0.20	8.62			
	KJSS Rd(near Jakkur Circle)	1	199.80	9.00	0.20	359.64			
	Cross rd-1	1	50.30	4.00	0.20	40.24			
	Cross rd-2	1	44.50	4.00	0.20	35.60			
	Cross rd-3	1	139.20	6.54	0.20	182.07			
						1013.28	**Cum**	**1013.93**	**1027392.99**
	Quoted Rate	1013.93							
16	Construction of **granular sub-base Grading-V** as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications Clause 401 of MORTH V Revision.(I No-20.5,P No-153)								
	Cut Portion								
	CC Road								
	Srirampura								
	srirampura store								
	Cross Rd-1	1	76.60	1.20	0.20	18.38			
	Cross Rd-2	1	84.70	1.20	0.20	20.33			
	Sai Baba Temple Rd	1	82.30	1.20	0.20	19.75			
	Jakkur	1	95.90	1.20	0.20	23.02			
	Cross Rd-1								
	Cross Rd-2	1	42.30	1.20	0.20	10.15			
	Cross rd-3(near Byaptist Hospital)	1	37.60	1.20	0.20	9.02			
	Cross Rd-4	1	36.70	1.20	0.20	8.81			
	Cross Rd-5	1	21.00	1.20	0.20	5.04			
	KJSS Rd(near Jakkur Circle)	1	19.60	1.20	0.20	4.70			
	Cross rd-1	1	199.80	1.00	0.20	39.96			
	Cross rd-2	1	50.30	1.03	0.20	10.36			
	Cross rd-3	1	44.50	1.20	0.20	10.68			
		1	139.20	1.20	0.20	33.41			
						213.62	**Cum**	**2094.47**	**447415.33**
	Quoted Rate	2094.47							

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	Description of items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
17	Providing Un-reinforced, **plain cement concrete for pavements using Grade concrete M30** with M-sand at 360 kg/cum and coarse aggregate 0.69cum, fine aggregate 0.46cum. over a prepared base conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine, and curing including cost of all materials, labour,hire charges of machineries,all lead & lift charges etc., complete as per specifications. (P.No-176,I No-22.6.1)								
	CC Road								
	Srirampura								
	srirampura store								
	Cross Rd-1	1	76.60	4.90	0.15	56.30			
	Cross Rd-2	1	84.70	3.40	0.15	43.20			
	Sai Baba Temple Rd	1	82.30	4.00	0.15	49.38			
	Jakkur	1	95.90	5.60	0.15	80.56			
	Cross Rd-1								
	Cross Rd-2	1	42.30	3.40	0.15	21.57			
	Cross rd-3(near Byaptist Hospital)	1	37.60	3.40	0.15	19.18			
	Cross Rd-4	1	36.70	2.40	0.15	13.21			
	Cross Rd-5	1	21.00	2.20	0.15	6.93			
	KJSS Rd(near Jakkur Circle)	1	19.60	2.20	0.15	6.47			
	Cross rd-1	1	199.80	9.00	0.15	269.73			
	Cross rd-2	1	50.30	4.00	0.15	30.18			
	Cross rd-3	1	44.50	4.00	0.15	26.70			
		1	139.20	6.54	0.15	136.56			
						759.96	**Cum**	**5470.99**	**4157721.36**
	Quoted Rate	5470.99							
								Total Construction Cost	**82134306.14**
								Miscellaneous	**5,008.69**
	GRAND TOTAL								**82139314.82**

Modified Technical Sanction Accorded for Rs 82139.315 Lakhs Head of A/C 3584 CER NO :..36..... Dt: 3/11/2020

CE (YPK)

Assistant Engineer,

Asst. Exec. Engineer,
Yelahanka Project Division,
BBMP Bangalore

Executive Engineer,
Yelahanka Project Division,
BBMP Bangalore

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